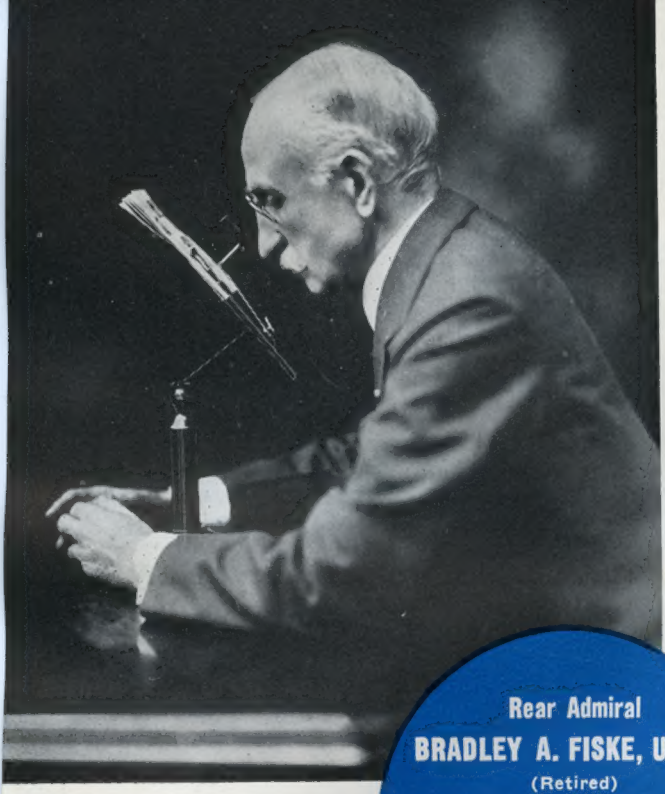
The 7-IN-1 Fiskeoscope

At Last! A LIGHT, PORTABLE, INEXPENSIVE DEVICE FOR MICROFILM AND MINICAM VIEWING



Rear Admiral
BRADLEY A. FISKE, U. S. N.
(Retired)

Reading with an early model Fiskeoscope made in 1926 for the Hispanic Museum.

Way Back in 1920, Bradley A. Fiske, then Rear Admiral, U. S. N. (since retired), foresaw the present wave of interest in microfilm books.

He invented the Fiskeoscope,* undoubtedly the world's first reading machine, and a few years later made a current novel on a few feet of narrow ribbon of paper. He took out patents on the Fiskeoscope and secured broad claims on it. For the last seventeen years Rear Admiral Fiske has constantly worked to perfect his devices, recently in cooperation with the engineers of the International Filmbook Corporation, to whom he has issued an exclusive license under all his patents.

He says, of the 7-in-1 universal model Fiskeoscope, "I congratulate Mr. Pratt and his associates. This latest model is ingenious beyond my hopes, proving again that this clever group of men can always be trusted to improve the unimprovable, to create tomorrow's devices today."

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*The Fiskeoscope is protected by claims appearing in one or more of the following issued U. S. patents and by applications for patents pending:

1,411,008	1,568,148	1,742,640	1,890,149
1,457,429	1,660,870	1,822,651	1,929,199
1,476,290	1,707,351	1,881,072	

The 7-in-1
FISKEOSCOPE

A Light, Portable and Inexpensive Reading Device for Microfilm and Minicam Viewing

For travelers, scholars, scientists, experimenters, laboratory workers and others who desire a simple but complete, low-priced viewing device for examining low reduction microfilm and miniature camera film.

This precision optical instrument, whether held in the hand or used on the table stand, is a complete reading or viewing machine in the smallest possible form.

Invented by Rear Admiral Bradley A. Fiske, U. S. N., (retired), it is a product of the world's only exclusive manufacturer of reading machines, microfilm and cameras—the one concern which does not consider such devices a side-line.

By a unique method of design, many combinations of parts can be made to suit the needs of any microfilm user, as shown on the pages of this booklet.

One can start, at a cost of but a few dollars, with the eye-piece or "loupe" only, then later add the other parts, making other combinations.

A DOZEN EXCLUSIVE FEATURES of the 7-in-1 FISKEOSCOPE

1. Highly corrected lens, free of spherical and central aberration, chroma, "pin cushion" or other faults. Perfectly flat field. Wide angle coverage of full, *imperforate* frame of 35 mm. film without "skimming." Two element 7.5 diameter-lens in precision mounting.

2. Monocular design permits use of reader's "best eye" with no necessity of squinting other eye which causes muscular fatigue. Both eyes remain open, one blocked with cupped, matte black shield, (if desired).

3. Light dispersion screen behind field for daylight or Mazda reading.

4. Reversible handles permit comfortable reading of vertical or horizontal film images. Table stand available.

5. Uses film of any length from single frame to 800 frames, (50 feet). *(No other viewer enables use of a single cut frame).*

6. Available with split hubs for short film lengths, with 50-foot film spools, or with Optigraph Film Cartridge.

7. Can be packed in small space in brief case, suit case or travel kit. Handles removable.

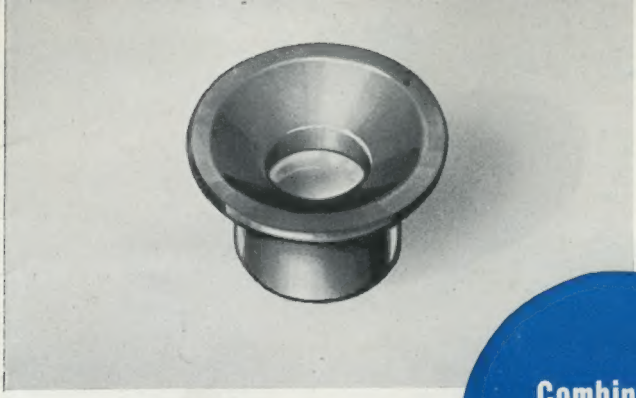
8. Completely tooled up, high precision method of manufacture, using latest approved moulded plastics.

9. Design prevents scratch of delicate emulsion image.

10. The only small, inexpensive, light reading machine available in many combinations to suit the needs of all microfilm users.

11. The only hand-held, non-projection device upon which either 16 mm. or 35 mm. film on *reels* may be used.

12. All parts of all combinations come apart for packing in smallest possible space.



Combination 1

The Eye-piece or Loupe with 2-element Lens

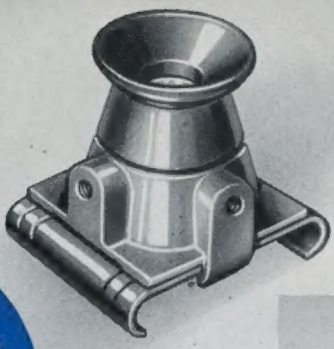
The smallest possible "reading machine" is a simple magnifying glass. But most such glasses are *too* simple for comfortable reading of small images on microfilm. Generally of a single lens construction, they cause eye fatigue. Single lenses are not capable of sufficient optical correction; they yield images with central and spherical aberrations and lack the flatness of field which reading of microfilm demands. Seldom have they sufficiently wide angle to cover a full frame of imperforate microfilm.

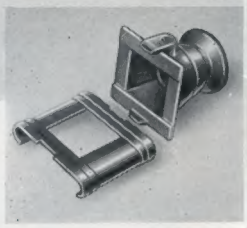
The lens in the Fiskeoscope Eye-piece is a two-element design, highly corrected. It has a magnification of 7.5 diameters, and a focal length of 30 millimeters. It covers easily more than a full frame of film without skimming. It is free from "pin cushion" and other optical faults usually found in simple lenses.

For the scholar, scientist or traveler who must economize to the fullest extent; for the miniature camera worker and film laboratory assistant, this Combination 1 gives a film viewer extraordinarily corrected for the purpose. Later, if desired, other parts of the full 7-in-1 Fiskeoscope may be added.

Jewelers, machinists and others who use eye-loupes will welcome the advent of a fully corrected lens for their work.

COMBINATION 1—*Price, packed in mailing carton, complete with plastic eye-piece and 2-element lens* $2.00





Combination 2

Eye-piece and Film Slide

With this combination, strips or short rolls of film may be handled and viewed without damaging the delicate emulsion carrying the image.

Includes the Eye-piece, (Combination 1) and the two parts of the Film Slide, 1. the Film Gate and, 2. the Eye-piece Holder.

The Film Gate is sectioned to form ways or slides which hold only the barest edge of the film, while the image-bearing emulsion slides through without coming into contact with metal or plastic. The gate snaps on *after* the film is laid in the tracks. This is an improvement over other hand-held viewers into which the user must insert one end of the film and push it through.

A semi-translucent diffusing screen of sufficient size to light a full imperforate frame of 35 millimeter microfilm is centered in the Film Gate. The Eye-piece is slidably focused by the user.

This combination forms a complete, yet inexpensive simple microfilm viewer with corrected lens, full coverage and protection for the film. Plastic moulded construction insures lightness of weight with warmth for the hand and eye.

COMBINATION 2—*Price, 2 parts, including Film Slide and Eye-piece carefully packed in mailing carton* $3.50

Price, Film Slide only 1.50

Combination

3

Eye-piece, Film Slide and Handle

This is the same as Combination 2, with the addition of a handle.

The handle is threaded at one end for insertion into a choice of two positions on the Film Slide, thus permitting comfortable viewing of either vertical or horizontal microfilm images.

Of the correct length for elbow resting on either the hip or table, the handle aids the user in studying long lengths of film without fatigue. Users report that the well balanced handle, shaped to fit the hand, helps hold the Fiskeoscope steady when consulting very fine type.

COMBINATION 3—*Price, 3 parts, including Handle, Film Slide and Eye-piece, carefully packed in mailing carton* $4.00

Handle only ..... .50

Make Up Your Own Combinations

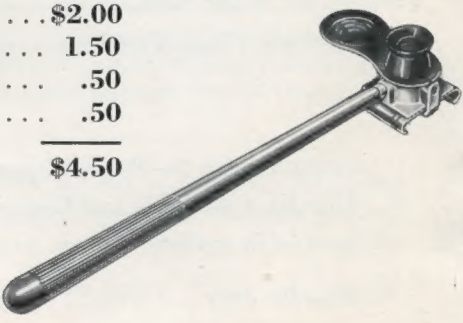
In addition to the seven standard combinations listed in this catalog, the Fiskeoscope 7-in-1 parts are capable of much greater versatility.

Individual parts may be purchased by any user or experimenter, to be used in combinations of his own, at the prices listed.

Eye-piece	2.00	Table Stand	$3.00
Film Slide	$1.50	Filmbook Cartridge, with reels	2.00
Handle	.50	Reel Holder, large	4.00
Reel Holder, small	3.00	Eye-shade	.50
Filmlok Reels, pair	.50		

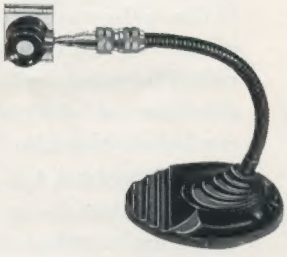
Eye-piece	$2.00
Film Slide	1.50
Reel Holder	3.00
Table Stand	3.00
	$9.50

Eye-piece	$2.00
Film Slide	1.50
Eye Shade	.50
Handle	.50
	$4.50

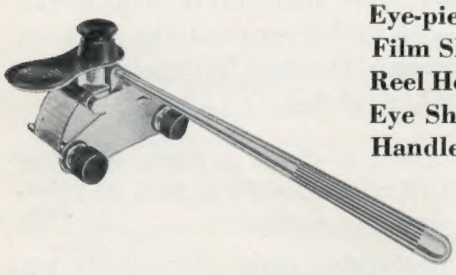


Some of the Additional Combinations Suggested are:

Eye-piece	$2.00
Film Slide	1.50
Eye Shade	.50
Table Stand	3.00
	$7.00



Eye-piece	$2.00
Film Slide	1.50
Table Stand	3.00
	$6.50



Eye-piece	$2.00
Film Slide	1.50
Reel Holder	3.00
Eye Shade	.50
Handle	.50
	$7.50

Combination

4

Eye-piece, Film Slide, Handle and Reel Holder

These four parts, when combined in this manner, make a satisfactory and complete microfilm viewer device for nearly all users.

The addition of the Reel Holder adapts this combination Fiskeoscope to the use and quick selection of a 50-foot reel of film. It can, of course, also be used with any length of film from a single cut frame up to its capacity of 50 feet.

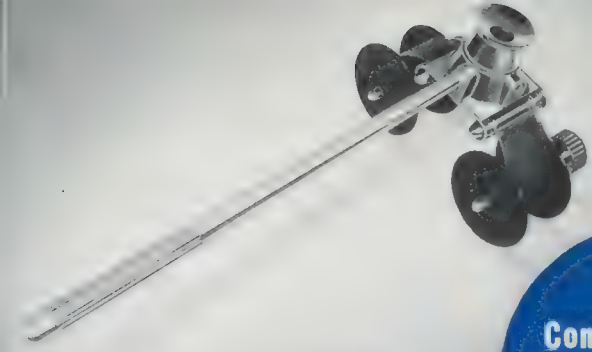
The loose ends of the film are inserted in slots in the splines and the splines revolved by either of the two knurled hand-buttons. Film is easily rolled from one spline to the other, giving quick selection of desired pages or documents recorded on the film.

Combination 4 is thus an improvement over Combination 3, in that the film, instead of "draping" itself over the user's shoulder or coiling to the table or floor, is properly rolled up and protected.

The splines into which the ends of the microfilm are inserted are hexagonal in shape to permit slipping on loaded spools of film as shown in Combination 5. The Reel Holder slides on or off the Film Slide at will.

COMBINATION 4—*Price, 4 parts, including Reel Holder, Handle, Film Slide and Eye-piece, carefully packed* $7.00

Price, Reel Holder only 3.00



Combination

5

Eye-piece, Film Slide, Handle, Reel Holder and Reels

Same as Combination 4, with the addition of a pair of Filmlok bakelite reels to hold 50 feet of either 35 millimetre or 16 millimetre microfilm.

The advantage of these reels lies in the patented locking method. Each consists of two parts which, when snapped together, locks the film end tightly. The hubs or cores of Filmlok Reels are hollow and hexagonal and they slip readily onto the hexagonal splines of the Reel Holder.

For storage, lengths of titled and labeled microfilm may be rolled onto one Filmlok Reel, and the reel kept in a desk or file-drawer.

Made in black bakelite, moulded to precision tolerances, Filmlok Reels are universally used on Fiskeoscope Reel Holders, on the Optigraph Projection Reading Machines or in Optigraph Filmbook Cartridges interchangeably.

COMBINATION 5—*Price, 5 parts, including pair bakelite moulded Filmlok Reels, Reel Holder, Handle, Film Slide and Eye-piece, carefully packed, (state whether 16mm. or 35mm.)* $7.50

Price, pair Filmlok Reels only (state whether 35mm. or 16mm.) ..... .50

Combination 6

Eye-piece, Film Slide, Reel Holder, Reels and Table Stand

The addition of the Table Stand makes the *complete Fiskeoscope*—the lowest priced, most compact, lightest reading machine now available.

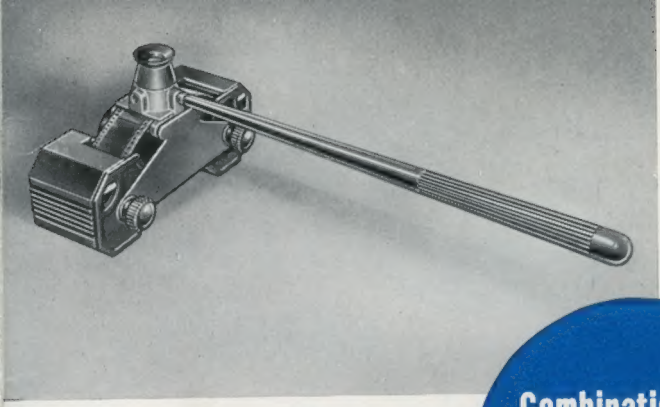
The weighted base is felt-lined to prevent marring polished desk, or table tops. The "goose neck" is flexible enough to permit quick adjustment, yet tight enough to stay in position once the desired location is found.

This attachment leaves both hands free, one for reeling the microfilm, the other for writing. Also, the use of the flexible column enables the student who must spend long hours at the Fiskeoscope, to change his position frequently and avoid "microscope neck muscle cramp" so familiar to all laboratory workers.

The Table Stand is removable for packing, and the entire Fiskeoscope Combination 6, stows readily in a traveling bag or a brief case.

COMBINATION 6—*Price, 6 parts, including Table Stand, pair Filmlok Reels, Reel Holder, Handle, Film Slide and Eye-piece, complete, carefully packed* ..... ~~$10.50~~ 11.60

Price, Table Stand only 3.00



Combination 7

Eye-piece, Film Slide, Handle, Reel Holder and Cartridge

This is a special combination for the use of those who house microfilm in Filmbook Cartridge magazines, and who wish to read it without removal.

The Reel Holder included in this outfit is larger than the one in Combinations 4, 5 and 6. The center distances of the splines has been increased to that of the standard Filmbook Cartridge, which is 5¼ inches. The extending hexagonal splines, therefore, slide readily into the hollow cores of the Filmbook Cartridge Reels.

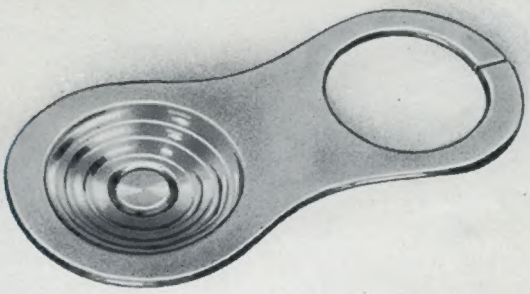
This combination permits quick examination of microfilm sealed in the Cartridge, without removing the reels. *It can also be used with loose reels,* as well as with the loaded cartridge.

Combination 7 can also be used with the Table Stand, at an additional cost of $3.00.

This device gives those who own Optigraph Reading Machines, but who cannot travel with the projection type of apparatus, the needed facilities for examining film when away from the projector.

COMBINATION 7—*Price, complete with Filmbook 50-foot Bakelite Cartridge, pair black bakelite Filmbook Reels, Handle, Reel Holder (large, to fit cartridge), Film Slide and Eye-piece, carefully packed* ..... ~~$9.50~~ 8.60

Price, extra Filmbook Cartridges, with pair reels 2.00



THE FISKEOSCOPE EYE SHADE

Attachable to any Fiskeoscope combination is the new Eye Shade.

This device snaps on to the Film Slide, but is removable at will. It can be swung about, before or after attaching, to cover either the left or right eye.

The use of this auxiliary helps those who must spend considerable time viewing microfilm to avoid the eye muscle fatigue which usually accompanies the use of a monocular microscope. Inexpert microscopists squint the unused eye to close it. This constant effort to keep one eye closed is unnatural. Both eyes should remain open, when using the Fiskeoscope, and if the user has not trained his vision to permit the non-used eye to block itself off while open, he will appreciate the new Fiskeoscope Eye Shade.

This attachment permits the use of the readers' "best eye," or, if restful, a change of eyes.

Matte black, it is shaped to yield comfort without at any time touching the eye, lid or head.

Price, Fiskeoscope Eye Shade . . . . . $ .50

LEICA
CONTAX
and ARGUS
Camera Users

For viewing 35 millimetre negative or positive film, whether in single or double frames or four foot lengths, any combination of the 7-in-1 Fiskeoscope is ideal.

Combination 3, at $4.00, is especially suited for use by minicam fans.

The features of the Fiskeoscope which will appeal to the Leica, Contax or Argus camera user are many. The delicate film cannot be scratched, for unlike other viewers, *the gate is opened and the film is inserted;* then the gate is snapped shut. The "ways" are high, so that the emulsion side touches neither metal nor plastic on its trip through the Fiskeoscope.

The fully corrected lens will delight those who appreciate clear-cut images such as made the vogue of the "minnie."

For selection of composition, for examination as to scratches, pin points, specks, coarse grain, gamma or composition, the Fiskeoscope adds pleasure to the sport—you can go over your film in daylight. No longer need you run all film through the enlarger in the dark room.

Buy one of the Fiskeoscope combinations. The Fiskeoscope is a *precision optical instrument* that matches your camera for perfection.

The 7-in-1 FISKEOSCOPE

A Precision Optical Instrument. Manufactured Under Exclusive License by International Filmbook Corporation

International Filmbook Corporation is the only concern exclusively engaged in the design and production of apparatus for microfilm. The result is that, through intensive concentration, its devices and services are more highly developed than would be the case if the reading machines and other appurtenances were but a division of another type of business.

The corporation operates under exclusive privileges of the patents of Rear Admiral Bradley A. Fiske, U. S. N. (Retired), and also under patents of Verneur E. Pratt and associated designers and inventors.

The corporation operates a modern manufacturing plant at South Norwalk, Connecticut, one hour from New York City. Its district sales office is located opposite Grand Central Station in the Pershing Square Building at 100 East 42nd Street, New York.

Special developments needed by the corporation or its clients are designed and built in the Silvermine, Connecticut, laboratories of Verneur E. Pratt.

At South Norwalk is operated a complete microphotographing department with facilities for copying books, newspapers and documents, on the special fine-grain microfilm developed by the Filmbook Process.

INTERNATIONAL FILMBOOK CORPORATION

General Offices and Laboratories
South Norwalk, Conn.

New York District Sales Office
100 East 42nd Street